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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/646,796	11/21/2000	Aravinda Korala	63662 (50024)	1579

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EXAMINER
HAMILTON, LALITA M

ART UNIT	PAPER NUMBER
3691	

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	03/08/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)
Office Action Summary	09/646,796	KORALA, ARAVINDA
	Examiner	Art Unit	
	Lalita M. Hamilton	3691	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on <u>05 December 2006</u>.

2a) ☒ This action is **FINAL**.   2b) ☐ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) <u>34,35,37-69,71-79,83-88 and 91-111</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) <u>34,35,37-69,71-79,83-88 and 91-111</u> is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some * c) ☐ None of:

      1. ☐ Certified copies of the priority documents have been received.

      2. ☐ Certified copies of the priority documents have been received in Application No. _____.

      3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.

5) ☐ Notice of Informal Patent Application

6) ☐ Other: _____.

DETAILED ACTION

Summary

On May 2, 2006, an Office Action was sent to the Applicant rejecting claims 34-

79, 83-88, and 91-111. On December 5, 2006, the Applicant responded by amending

claims 34, 37, 68-69, 71-79, 83-88, 91-103, and 105 and canceling claims 36 and 70.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 34-35, 37-69, 83-88, 91-105, and 110-111 are rejected under 35

U.S.C. 102(e) as being anticipated by Hillson (6,118,860).

Hillson discloses a method and corresponding system for communication through

an automated teller machine or kiosk comprising providing an ATM or Kiosk, the ATM or

Kiosk having at least one transaction device type, with the capabilities of transaction

devices within the transaction device type being non-identical between more than one

ATM or Kiosk across a network of ATMs or Kiosks, said ATM or Kiosk being controlled

by at least one software application and an operating system, both of which are installed

in the ATM or Kiosk, wherein the at least one software application interacts with said

transaction device type through a programming interface of middleware software

comprising transaction wherein the transaction services provided by the transaction

objects depend on the capabilities of the transaction device type, but the

programming interface of the transaction objects is independent of the capabilities of

the transaction device (col.2, line 25 to col.4, line 2; col.4, line 25 to col.5, line 53; col.7,

line 25 t ocol.9, line 15; and col.10, lines 40-50); transaction machine further comprises

a data communications interface and wherein said transaction machine is adapted to

communicate over said data communications interface (col.2, line 25 to col.4, line 2;

col.4, line 25 to col.5, line 53; col.7, line 25 t ocol.9, line 15; and col.10, lines 40-50);

transaction objects are controls for performing standardized device functions (col.2, line

25 to col.4, line 2; col.4, line 25 to col.5, line 53; col.7, line 25 t ocol.9, line 15; and

col.10, lines 40-50); transaction machine further comprises a customizable user

interface (col.2, line 25 to col.4, line 2; col.4, line 25 to col.5, line 53; col.7, line 25 t

ocol.9, line 15; and col.10, lines 40-50); transaction objects are independent of said user

interface (col.2, line 25 to col.4, line 2; col.4, line 25 to col.5, line 53; col.7, line 25 t

ocol.9, line 15; and col.10, lines 40-50); a plurality of controls, at least one of which

comprises a capabilities interface (col.2, line 25 to col.4, line 2; col.4, line 25 to col.5,

line 53; col.7, line 25 t ocol.9, line 15; and col.10, lines 40-50); the capabilities interface

can communicate the capabilities of the control (col.2, line 25 to col.4, line 2; col.4, line

25 to col.5, line 53; col.7, line 25 t ocol.9, line 15; and col.10, lines 40-50); applications,

objects and controls are concurrently operable (col.2, line 25 to col.4, line 2; col.4, line

25 to col.5, line 53; col.7, line 25 t ocol.9, line 15; and col.10, lines 40-50); controls are

constructed with an event generating capability and wherein a said controls are

operable in a selectable mode in which said events are queued up and delivered to an

application on demand (col.2, line 25 to col.4, line 2; col.4, line 25 to col.5, line 53; col.7,

line 25 t ocol.9, line 15; and col.10, lines 40-50); middleware software is adapted to

provide service in accordance with at least one software standard for interacting with

different hardware systems (col.2, line 25 to col.4, line 2; col.4, line 25 to col.5, line 53;

col.7, line 25 t ocol.9, line 15; and col.10, lines 40-50); all errors and transgressions are

asserted by the middleware software (col.2, line 25 to col.4, line 2; col.4, line 25 to col.5,

line 53; col.7, line 25 t ocol.9, line 15; and col.10, lines 40-50); the step of the

middleware software writing trace data to memory and then copies it to disk only when

the transaction machine is idle (col.2, line 25 to col.4, line 2; col.4, line 25 to col.5, line

53; col.7, line 25 t ocol.9, line 15; and col.10, lines 40-50); a web browser (col.2, line 25

to col.4, line 2; col.4, line 25 to col.5, line 53; col.7, line 25 t ocol.9, line 15; and col.10,

lines 40-50); at least one software application is operable from within said web browser

environment (col.2, line 25 to col.4, line 2; col.4, line 25 to col.5, line 53; col.7, line 25 t

ocol.9, line 15; and col.10, lines 40-50); web browser provides support for software

distribution (col.2, line 25 to col.4, line 2; col.4, line 25 to col.5, line 53; col.7, line 25 t

ocol.9, line 15; and col.10, lines 40-50); a web browser frame containing at least one

device control operable to detect events which must be responded to upon occurrence

(col.2, line 25 to col.4, line 2; col.4, line 25 to col.5, line 53; col.7, line 25 t ocol.9, line

15; and col.10, lines 40-50); web browser is adapted to communicate with conventional

web sites to be displayed by the computer-based transaction machine (col.2, line 25 to

col.4, line 2; col.4, line 25 to col.5, line 53; col.7, line 25 t ocol.9, line 15; and col.10,

lines 40-50); the computer-based transaction machine is adapted to allow the software

applications and middleware to be altered across a network by an authority (col.2, line

25 to col.4, line 2; col.4, line 25 to col.5, line 53; col.7, line 25 t ocol.9, line 15; and

col.10, lines 40-50); the transaction machine is adapted to communicate status

information to a remote station (col.2, line 25 to col.4, line 2; col.4, line 25 to col.5, line

53; col.7, line 25 t ocol.9, line 15; and col.10, lines 40-50); at least one of said

transaction objects provide, separately or in combination with other transaction objects

and controls, encapsulation of software logic required for performing at least a portion of

a transaction (col.2, line 25 to col.4, line 2; col.4, line 25 to col.5, line 53; col.7, line 25 t

ocol.9, line 15; and col.10, lines 40-50); at least one of said controls is a device control,

providing abstraction of details of a device controlled by said device control (col.2, line

25 to col.4, line 2; col.4, line 25 to col.5, line 53; col.7, line 25 t ocol.9, line 15; and

col.10, lines 40-50); step of creating a separate thread for each of a plurality of controls

(col.2, line 25 to col.4, line 2; col.4, line 25 to col.5, line 53; col.7, line 25 t ocol.9, line

15; and col.10, lines 40-50); the step of enabling said application program to

communicate over said communication interface through a control (col.2, line 25 to

col.4, line 2; col.4, line 25 to col.5, line 53; col.7, line 25 t ocol.9, line 15; and col.10,

lines 40-50); middleware software provides generic error handlers (col.2, line 25 to

col.4, line 2; col.4, line 25 to col.5, line 53; col.7, line 25 t ocol.9, line 15; and col.10,

lines 40-50); configuring a plurality of transaction machines, and wherein configuration

data for said step of configuring is centrally held in a distribution (col.2, line 25 to col.4,

line 2; col.4, line 25 to col.5, line 53; col.7, line 25 t ocol.9, line 15; and col.10, lines 40-

50); constructing said user interface using common web authoring tools (col.2, line 25 to

col.4, line 2; col.4, line 25 to col.5, line 53; col.7, line 25 t ocol.9, line 15; and col.10,

lines 40-50); the operating system is Microsoft Windows NT (col.2, line 25 to col.4, line

2; col.4, line 25 to col.5, line 53; col.7, line 25 t ocol.9, line 15; and col.10, lines 40-50);

ATM or kiosk comprising middleware software comprising transaction objects, wherein

transaction services provided by the transaction objects depend on the capabilities of

the transaction device type but the programming interface of the transaction object is

independent of the capabilities of the transaction device (col.2, line 25 to col.4, line 2;

col.4, line 25 to col.5, line 53; col.7, line 25 t ocol.9, line 15; and col.10, lines 40-50);

more networking means and one or more application servers (col.2, line 25 to col.4, line

2; col.4, line 25 to col.5, line 53; col.7, line 25 t ocol.9, line 15; and col.10, lines 40-50);

an extranet formed by combining a plurality of networks o computer-based transaction

machines to the above claim (col.2, line 25 to col.4, line 2; col.4, line 25 to col.5, line 53;

col.7, line 25 t ocol.9, line 15; and col.10, lines 40-50); an extranet according to the

above claim provided with a security mechanism which limits the hardware functionality

available to individual software applications (col.2, line 25 to col.4, line 2; col.4, line 25

to col.5, line 53; col.7, line 25 t ocol.9, line 15; and col.10, lines 40-50); operating by a

first organization a computer based transaction machine controlled by at least one

software application to affect a transaction service, wherein said software application is

provided by a second organization, wherein said software application provides an

transaction type different than the transaction type associated with said first

organization (col.2, line 25 to col.4, line 2; col.4, line 25 to col.5, line 53; col.7, line 25 t

ocol.9, line 15; and col.10, lines 40-50); at least one software standard is selected from

a group consisting of WOSA XFS, OPOS, OFX, TOPEND, ActiveX, Javabeans, SNMP

or at least one of said controls implements an OFX interface or a portion thereof, to

facilitate communication with an OFX server (col.10, lines 10-25); middleware software

comprising a plurality of COM components having a scriptable ActiveX interface (col.10,

lines 10-25); middleware software comprising a plurality of Javabeans components

having scriptable interfaces (col.10, lines 10-25); middleware software allows or

disallows access to particular web sites according to a rule database (col.2, line 25 to

col.4, line 2; col.4, line 25 to col.5, line 53; col.7, line 25 t ocol.9, line 15; and col.10,

lines 40-50); middleware software is adapted to customize time-out of the display of

individual internet web sites (col.2, line 25 to col.4, line 2; col.4, line 25 to col.5, line 53;

col.7, line 25 t ocol.9, line 15; and col.10, lines 40-50); creating an event thread

associated with each transaction service for insuring that device states persist from one

application page to another (col.2, line 25 to col.4, line 2; col.4, line 25 to col.5, line 53;

col.7, line 25 t ocol.9, line 15; and col.10, lines 40-50); and encapsulating essential

software logic of the transaction services so that an associated user interface is freely

defined (col.2, line 25 to col.4, line 2; col.4, line 25 to col.5, line 53; col.7, line 25 t

ocol.9, line 15; and col.10, lines 40-50).

Claims 106-109 are rejected under 35 U.S.C. 102(e) as being anticipated by

Eaton (6,003,019), as set forth in the previous office action.

Response to Arguments

Applicant's arguments with respect to claims 34-35, 37-69, 83-88, 91-105, and 110-111 have been considered but are moot in view of the new ground(s) of rejection.

Applicant's arguments filed December 5, 2006 have been fully considered but they are not persuasive. With regard to claims 106-109, the Applicant argues that Eaton does not disclose the middleware layer is an ATM or kiosk or provides transaction services depending upon the particular capabilities of the transaction device type, through a programming interface independent of the capabilities of the transaction device. In response, Eaton clearly discloses an automated teller machine that provides transaction services.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lalita M. Hamilton whose telephone number is (571) 272-6743. The examiner can normally be reached on Tuesday-Thursday (6:30-2:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kalinowski Alexander can be reached on (571) 272-6771. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Lalita M. Hamilton
Primary Examiner, 3691